

06-16-00

Ex. Mail No. EL500378343US  
Attorney Docket No.: AM-1776

AF

GP1753

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

IN RE APPLICATION OF: Peijun Ding et al.

SERIAL NO.: 08/995,108

FILED: December 19, 1997

FOR: A TAILORED BARRIER LAYER WHICH  
PROVIDES IMPROVED COPPER INTERCONNECT

ELECTROMIGRATION RESISTANCE

§ GROUP ART UNIT: 1753  
§  
§ EXAMINER: J. Mercado  
§  
§  
§  
§ Attorney Docket No.:  
§ AM-1776  
§

Date: June 14, 2000

**AMENDMENT "B" UNDER 37 C.F.R. § 1.116  
TRANSMITTAL LETTER**

Hon. Assistant Commissioner of Patents  
Washington, D.C. 20231

Sir:

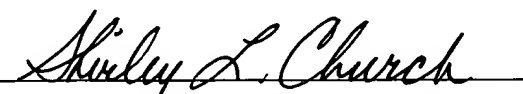
Transmitted herewith is applicants' Amendment "B" After Final Rejection in response to the final Office Action mailed April 17, 2000, having a shortened statutory period for response of July 17, 2000. Amendment "B" is submitted within the two month time period after receipt of the Final Rejection, to permit time for an advisory action.

RECEIVED  
JUN 21 2000  
TO 1100 MAIL ROOM

**CERTIFICATE OF MAILING UNDER 37 CFR 1.10**

I hereby certify that this paper is being deposited with the U.S. Postal Service on the date shown below with sufficient postage as U.S. EXPRESS MAIL NO. EL500378343US in an envelope addressed to the: Commissioner for Patents, Box AF, Washington DC 20231.

Date: June 14, 2000

  
Shirley L. Church, Reg. No. 31,858

# CLAIMS AS AMENDED

	CLAIMS REMAINING AFTER AMENDMENT		HIGHEST NO. PREVIOUSLY PAID FOR		PRESENT EXTRA		RATE	ADDITIONAL FEE
TOTAL CLAIMS	22	minus	31	=	0	x	\$18.00	\$00.00
INDEPENDENT CLAIMS	4	minus	5	=	0	x	\$78.00	\$00.00
MULTIPLE DEPENDENT CLAIMS (if first presented)			previously paid				\$260.00	\$00.00
TOTAL ADDITIONAL FEE FOR THIS AMENDMENT								\$00.00
TOTAL FEE DUE								\$00.00

Applicants do not believe that any fee is due in connection with the filing of this Amendment. However, in the event that any additional fee is due, the Commissioner is hereby authorized to charge Deposit Account No. 11-0600 of Kenyon & Kenyon, San Jose, California, in the amount of such fee.

This transmittal letter is submitted in duplicate for accounting purposes.

Respectfully submitted,

Correspondence Address:  
Patent Counsel  
Applied Materials, Inc.  
P.O. Box 450-A  
Santa Clara, California 95052

Shirley L. Church  
Shirley L. Church  
Registration No. 31,858  
Attorney for Applicant

RECEIVED  
JUN 21 2002  
TC 1700 MAIL ROOM



U.S. Express Mail No. EL500378343US  
Attorney Docket No.: AM-1776

*#8 Amended*  
*6/27/00*  
*H. Hunter*

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

IN RE APPLICATION OF: Peijun Ding et al.

SERIAL NO.: 08/995,108

FILED: December 19, 1997

FOR: A TAILORED BARRIER LAYER WHICH  
PROVIDES IMPROVED COPPER INTERCONNECT  
ELECTROMIGRATION RESISTANCE

§ GROUP ART UNIT: 1753  
§  
§ EXAMINER: J. Mercado  
§  
§ Attorney Docket No.:  
§ AM-1776  
§  
§  
§

Date: June 14, 2000

**AMENDMENT "B"**  
**UNDER 37 C.F.R. § 1.116**

*OK to enter 2/08/01*  
*my*  
**Hon. Commissioner For Patents**  
**Washington, D.C. 20231**

Sir:

This Amendment "B" is in response to the Office Action mailed April 17, 2000, having a shortened statutory period for response of July 17, 2000. Amendment "B" is submitted prior to the June 17, 2000 two month time line, to permit time for an advisory action.

Claims 8 - 27 are pending in the application.

Claims 8 - 17 are rejected under 35 USC § 103(a) as being unpatentable over U.S. Patent No. 5,391,517, to Gelatos et al., in view of U.S. Patent No. 5,676,587, to Landers et al.

RECEIVED  
JUN 21 2000  
TO 1700 MAIL ROOM

**CERTIFICATE OF MAILING UNDER 37 CFR 1.10**

I hereby certify that this paper and any documents said to accompany this paper are being deposited with the U.S. Postal Service on the date shown below with sufficient postage as U.S. EXPRESS MAIL NO. EL500378343US in an envelope addressed to the: Commissioner for Patents, Box AF, Washington DC 20231.

Date: June 14, 2000

*Shirley L. Church*  
Shirley L. Church, Reg. No. 31,858